Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Detailed Estimated for Asphalting to cross roads at Babanna Badawane, in Ward no. 12, in Shettyhalli Sub-Division

Est.Cost Rs 20.00 Lakhs

Sl. No.	Description of Items	Unit	No.	L.	B.	D	Qty.	Rate	Amount
1	2	3	4	5	6	7	8	9	10
1	KSRB 2-1.2: Earthwork in surface excavation in Hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.2/ PWD SR 2013-14								
		Sqm	1	148.00	0.60	0.60	53.28		
			1	199.00	0.60	0.60	71.64		
			1	146.00	0.60	0.60	52.56		
			1	160.00	0.60	0.60	57.60		
			1	156.00	0.60	0.60	56.16		
			1	138.00	0.60	0.60	49.68		
							340.92	177.12	**60384.00**
	Basic Rate	164.00							
	Area Weightage 8%	13.12							
		177.12							
2	KSRB-2.6: Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. Specification No. KBS 2.10.2. Page No. 6/ Item No. 2.13/ PWD SR 2013-14								
		Sqm	1	148.00	0.60	0.40	35.52		
			1	199.00	0.60	0.40	47.76		
			1	146.00	0.60	0.40	35.04		
			1	160.00	0.60	0.40	38.40		
			1	156.00	0.60	0.40	37.44		
			1	138.00	0.60	0.40	33.12		
							227.28	1760.40	**400104.00**
	Basic Rate	1,630.00							
	Area Weightage 8%	130.40							
		1,760.40							
3	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No. 175/ Item No. 21.2/ PWD SR 2013-14								

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		Sqm	1	148.00	5.00		740.00		
			1	199.00	5.50		1094.50		
			1	146.00	5.50		803.00		
			1	160.00	5.00		800.00		
			1	156.00	5.50		858.00		
			1	138.00	5.20		717.60		
							5013.10	2.59	**12994.00**
	Basic Rate	2.40							
	Area Weightage 8%	0.19							
		2.59							
	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications. MORTH Specification No. 406 Page No. 170/ Item No. 20.18/ PWD SR 2013-14								
		Sqm	1	148.00	0.60	0.20	17.76		
			1	199.00	0.60	0.20	23.88		
			1	146.00	0.60	0.20	17.52		
			1	160.00	0.60	0.20	19.20		
			1	156.00	0.60	0.20	18.72		
			1	138.00	0.60	0.20	16.56		
							113.64	1121.04	**127395.00**
	Basic Rate	1038.00							
	Area Weightage 8%	83.04							
		1121.04							
5	KSRRB M500-24.1. Providing and laying surface dressing as wearing course in single coat using crushed stone aggregates of specified size on a layer of bituminous binder laid on prepared surface and rolling with 8-10 Tonne smooth wheeled steel roller complete as per Specifications. Case 1: 19 mm nominal chipping size. MORTH Specification No. 510 Page No. 180/ Item No. 21.28/ PWD SR 2013-14								
		Sqm	1	148.00	0.60		88.80		
			1	199.00	0.60		119.40		
			1	146.00	0.60		87.60		
			1	160.00	0.60		96.00		
			1	156.00	0.60		93.60		
			1	138.00	0.60		82.80		
							568.20	97.20	**55229.00**
	Basic Rate	90.00							
	Area Weightage 8%	7.20							
		97.20							

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	KSRRB 500-10 : Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as per specifications using bitumen emulsion. MORTH Specification No.503 (Page No.176, Item No. 21.10.1/ PWD SR 2013-14								
		Sqm	1	148.00	5.00		740.00		
			1	199.00	5.50		1094.50		
			1	146.00	5.50		803.00		
			1	160.00	5.00		800.00		
			1	156.00	5.50		858.00		
			1	138.00	5.20		717.60		
							5013.10	11.99	**60097.00**
	Basic Rate	11.10							
	Area Weightage 8%	0.89							
		11.99							
7	KSRRB M500-18: Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thickness with 5% Bitumen 80/100 grade (Grading II) Page No. 178/ Item No. 21.20.1/ PWD SR 2013-14								
		Cum	1	148.00	5.00	0.025	23.13		
			1	199.00	5.50	0.025	27.36		
			1	146.00	5.50	0.025	20.08		
			1	160.00	5.00	0.025	20.00		
			1	156.00	5.50	0.025	21.45		
			1	138.00	5.20	0.025	17.94		
							129.95	9631.44	**1251630.00**
	Basic Rate	8,918.00							
	Area Weightage 8%	713.44							
		9631.44							
8	KSRRB 400-1.3: Carriage of mixed materials 10 Kms, For items of Sl.no 1.c) rs. 5.20 per cum/km. Page no 186/ PWD SR 2013-14								
	Qty.vide item No. 3	Cum					129.95		
							129.95	56.16	**7298.00**
	Basic Rate	52.00							
	Area Weightage 8%	4.16							
		56.16							

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	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead **10 Km** a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. **2.00** Tonne/Km b)Average earth of work **1.28** Tonne/Km for Rs. **2.00**/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. **62.20** (P.150, I.no.18.57/1, PWD SR 2013-14)	Cum							
	Qty Vide Item No=1						**340.92**		
	Qty Limited to						**340.92**	72.71	**24787.00**
	Basic Rate (Rs.2.0 x 1.28 x 2 kms)	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage 8%	5.39							
	Total	**72.71**							
10	Miscellaneous and other unforseen charges								82.00
								Total	**2000000.00**
	(Rupees Twenty Lakhs Only)								

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2013-14
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Ravi. N.K.
Asst. Engineer
Ward No-12

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

A/S
ನಂ. JC(DH) AS/235/13-14 ದಿನಾಂಕ : 30/10/13
ರೂ. 20.00 Lakhs (Rupees Twenty Lakhs only)
Page No. 229
Sl. No. 235

ನಂ. EE/DD/1S/141/13-14 ದಿನಾಂಕ : 30/10/13
ರೂ. 20.00 Lakhs (Rupees Twenty Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
P-24
Sl.No.141
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು
30/10

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